



PATENT

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(Banded)  
5/3/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Client Ref. No.:	5681-05200
Inventor(s):	Fay Chong, Jr.
Serial No.:	10/027,359
Filing Date:	December 19, 2001
Examiner:	Unknown
Group Art Unit:	2185
Title:	CACHE ACCUMULATOR MEMORY FOR PERFORMING OPERATIONS ON BLOCK OPERANDS

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**CERTIFICATE OF FIRST CLASS MAIL**

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Washington, DC 20231, on the date indicated below.

**Robert C. Kowert**  
Name of Registered Representative

Apr. 12, 2002  
Date



Mark A. Johnson  
Signature

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## Technology Center 2100

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir/Madam:

SUN MICROSYSTEMS, INC., ("assignee"), a Delaware corporation having a place of business at 901 San Antonio Road, Palo Alto, California 94303, certifies that to the best of assignee's knowledge and belief it is the assignee of the entire right, title, and interest in and to the above-referenced patent and represents that the undersigned is a representative authorized and empowered to sign on behalf of the assignee.

Assignee has reviewed the assignment documents that evidence the placement of title in the assignee, true and correct copies of which are attached hereto, and understands and believes that these assignment documents have been submitted for recordation in the U.S. Patent and Trademark Office.

Pursuant to 37 C.F.R. §1.36 and 3.71, the assignee hereby revokes all powers of attorney previously given and appoints

Kenneth Olsen	Reg. No. 26,493
Timothy J. Crean	Reg. No. 37,116
Alexander E. Silverman	Reg. No. 37,940
Anirma R. Gupta	Reg. No. 38,275
Sean P. Lewis	Reg. No. 42,798
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Noreen A. Krall	Reg. No. 39,734
Bernice B. Chen	Reg. No. 42,403
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Paul D. Sorkin	Reg. No. 39,039
Marilyn E. Glaubensklee	Reg. No. 35,521
Andrew C. Chen	Reg. No. 43,544
Jeffrey L. Myers	Reg. No. 44,252

*each of said attorneys being employed by Sun Microsystems; and*

Mark Brightwell	Reg. No. 47,446
Kevin L. Daffer	Reg. No. 34,146
Mark R. DeLuca	Reg. No. 44,649
Jeffrey C. Hood	Reg. No. 35,198
Robert C. Jahnke	Reg. No. 44,800
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Robert C. Kowert	Reg. No. 39,255
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*each of said attorneys or agents being a member or an associate of the firm of Conley, Rose & Tayon, P.C., as attorney or agent for so long as they remain with such company or firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive the Letters Patent.*

Pursuant to 37 C.F.R. §3.71, the assignee hereby states that prosecution of the above-referenced patent application is to be conducted to the exclusion of the inventor(s).

Send all future correspondence to:

Robert C. Kowert  
CONLEY, ROSE & TAYON, P.C.  
P.O. Box 398  
Austin, Texas 78767-0398  
(512) 476-1400

Assignee of Interest:

SUN MICROSYSTEMS, INC.  
M/S PAL 01-521  
901 San Antonio Road  
Palo Alto, CA 94303

Dated: March 13, 2002

By:   
Name: Kenneth Olsen  
Reg. No.: 26,493  
Title: Vice President, Intellectual Property



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

FEBRUARY 21, 2002

CONLEY, ROSE & TAYON, P.C.  
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Washington, DC 20231  
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RECORDATION DATE: 12/19/2001

REEL/FRAME: 012408/0190

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BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHONG, FAY JR.

DOC DATE: 12/17/2001

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ASSIGNEE:

SUN MICROSYSTEMS, INC.  
901 SAN ANTONIO ROAD  
PALO ALTO, CALIFORNIA 94303

SERIAL NUMBER: 10027359

FILING DATE: 12/19/2001

PATENT NUMBER:

ISSUE DATE:

PEARLENE FOSTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

FEB 23 2002

01-04-2002



To the Honorable Commissioner of Patents and Tr.

1. Name of conveying party(ies):

Fay Chong, Jr.

Additional name(s) of conveying party(ies) attached?  yes  no

3. Nature of Conveyance:

Assignment  
 Merger  
 Security Agreement  
 Change of Name  
 Other \_\_\_\_\_

Execution Date: December 17, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of this application is: December 17, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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 10/027359

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert C. Kowert

Internal Address: Conley, Rose &amp; Tayon, P.C.

Street Address: P.O. Box 398

City Austin State TX ZIP 78767-0398

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): ..... \$ 40.00

 Enclosed Authorized to be charged to deposit account8. Deposit account number: 501505/5681-05200/RCK  
 (Attach a duplicate copy of this page if paying by deposit account)

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9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Robert C. Kowert

Name of Person Signing  
Reg. No. 39,255

Signature

December 19, 2001

Date

Total number of pages: 3

OMB No. 0651-011 (exp.4/94)

01/03/2002 LMUELLER 00000174 501505 10027359

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ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to SUN MICROSYSTEMS, INC. (the "Assignee"), a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having its principal place of business at 901 San Antonio Road, Palo Alto, California 94303 their entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled, CACHE ACCUMULATOR MEMORY FOR PERFORMING OPERATIONS ON BLOCK OPERANDS, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT that, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

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COVENANT AND AGREE that the above is and will be binding on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

(Signature) Fay C Jr Date: 12/17/01  
Name: Fay Chong, Jr.

Robert C. Kowert  
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